



NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION 1116 IPIR NUMBER 4

OAK SUPPLEMENT PART II

20 APRIL - 8 MAY 1972

Handle via Talent-Keyhole Channels Only

25X1C

TOP SECRET

TCS-21249/72
JULY 1972
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WARNING

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TARGET CATEGORIES AND ASSOCIATED NTP FUNCTIONAL AREAS (CODES)

1. STRATEGIC SSM

Deployed Strategic SSM Facilities (A)

2. MISSILE RANGES

Missile Ranges: Strategic SSM/Space Facilities (P)
Missile Ranges: Air-Launched Missile Facilities (Q)
Missile Ranges: New July 1

Missile Ranges: Naval-Launched Missile Facilities (R)

Missile Ranges: Tactical SSM Facilities (S) Missile Ranges: SAM/AMM Facilities (T)

3. AIR DEFENSE MISSILES

Deployed AMM Facilities (B)
Deployed SAM Facilities (D)

4. ELECTRONICS/COMMUNICATIONS

Deployed Communication/Electronic/Radar Facilities (C)

5. AIR

Air Base Facilities (E)

6. NAVAL

Naval Base Facilities (F)

7. GROUND

Ground Force Facilities (G)

8. TACTICAL SSM

Deployed Tactical SSM Facilities (H)

9. LOGISTICS

Military Logistics Facilities (K)

10. NUCLEAR ENERGY

Atomic Energy Facilities (0)

11. CBR

CBR Facilities (V)

12. INDUSTRY

Strategic Weapons Industrial Facilities (J)

General Purpose Weapons Industrial Facilities (L)

Non -Military Industrial Facilities (N)

Communication/Electronic/Radar R&D Facilities (U)

2

13. MISCELLANEOUS

Non-Military Logistics Facilities (M) Miscellaneous/Unidentified Facilities (Z)

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

WARNING NOTICE
Sensitive Intelligence Sources
and Methods Involved.

CLASSIFIED BY: 55-0001

Exempt from General Declassification Schedule of E.O. 11652, Exemption Category: 5B(2).

AUTOMATICALLY DECLASSIFIED ON APPROVAL OF THE DCI

HANDLE VEYHOLE CONTROL SYSTEM ONLY

TCS-21249/72 - IPIR KH-4 MISSION 1116

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PREFACE

PREFACE

THIS IS THE SECOND AND FINAL OAK SUPPLEMENT REPORT ON MISSION 1116. FOR ADDITIONAL PREFACE DETAILS. SEE FIRST OAK SUPPLEMENT

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Attachments

Approved For Release 2000/04/17 : CIA-RDP78T04562A004300010008-3

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SAM DEPLOYMENT

| | | | | | | | | | | , | | | | CC | UNTR | Y | | | | | | | | |
|---------------------------|----------|--------|---------|-------------|--------------|---------------------------|--------------|-------------|--------|---------------|-------|----------|---------|--------------|-------|----------|------------|--------|----------|------|----------------|---------|------------|--------------|
| | | 3ª / h | J.BATHA | JLCARLA | ECHOSIC EL | NAKLA NAKLA ST CERM | JACARY PC | J. A. A. L. | MARTIA | GOSLAVI CV | A MAR | ORGOLIA | RIH KOR | gen gontesta | yer s | RUA C | JBA** IN | DIA NO | RETH VIE | THAM | iath ios si | JOAN SC | OLIH METMA | ALStat |
| | 56 | | ļ | ļ | | L | | ļ | | | | | | | | | | | | | | | 56 | Confirmed |
| SA-1 | | | | - | <u> </u> | | | <u> </u> | | | | - | | | | 1 | ļ <u>.</u> | | | | | | | Probable |
| | | | | - | | <u> </u> | ļ | | | | | | | | | | | | | | | | | Possible |
| | | - | | - | | - | <u> </u> | | | | | ļ | | | | | | | | | | | | Training |
| | 1550 | 5 | 19 | 25 | 58 | 17 | 40 | 18 | 10 | 67 | 7 | 45 | | | | _ | | | | | | | 1861 | Confirmed |
| SA-2 | | | | | | | | | | - | | <u> </u> | ļ | | | ļ | | ļ | | ļ | ļ | | | Probable |
| | | | | - | - | | | | | 2 | | 1 | ļ | | | | | | | | | | 3 | Possible |
| | 26 | | | 1 | 3 | 1 | 1 | 2 | | 10 | | 1 | | | | | | | | | | | 45 | Training |
| | 407 | | | ļ | 25 | 7 | 14 | | | | | | | | | | | | | | | | 453 | Confirmed |
| SA-3 | - | | | <u> </u> | - | | <u> </u> | | | | | | | | | | | | | Ĺ | | | | Probable |
| | 3 | | | - | ļ | | 1 | | | | | 1 | | | | | | | | | | | 1 | Possible |
| SAM sites | 3 | | | | | | | | | | ļ | | | | | | | | | | | | 3 | Training |
| | <u> </u> | | | | <u> </u> | - | | | | ļ | | ļ | | | | | | | | | | | | Confirmed |
| SA-4 | | - | | | - | | | | | | | | | | | <u> </u> | | | | | | | | Probable |
| | 5 | | | - | | | | | | | | | | | | | _ | | | | | | | Possible |
| | | _ | | 1 | 6 | 3 | | | | | | | | | | | | | | | | | 15 | Training |
| | 88 | | | | | | | | | | | | | | | | | | | | | | 88 | Confirmed |
| SA-5 | 3 | | | | - | - | | | | | | | | | | | | | | | | | | Probable |
| | 3 | | | | | | | | | | | | | | | | | | | | | | 3 | Dummy |
| | | | | _ | | | | | | | | | | | | | | | | | | | 3 | Training/R & |
| SA-6 | - | | | - | - | | | | | | | | | | | ļ | | | | | | | | Confirmed |
| | - | | | | | | | | | | | | | | | | | | | | | | | Probable |
| | | | | | | | | | | | | | | | | L | L | | | | | | | Possible |
| SAM Support Facilities | 234 | 1 | _ | - | | | | | | | | | | | | | | | | | | | 1 | Training |
| | 3 | -1- | 5 | 6 | 11 | 4 | 8 | 3 | 2 | 1 | 2 | 7 | | | | | | | | | | | 284 | Confirmed |
| | | | | | 2 | | | 1 | | 1 | | | | | | | | | | | | | 7 | Probable |
| (SA-2 and SA-3) | | | | | | | | | | | | | | | | | | | | | | | | Possible |
| Includes dummy S | | | | | | | | | | | | | | | | | | . 1 | | | | | | Training |

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^{**}Toes not include abandoned sites

***Total reflects individual sites as of 15 July 1972

+SA-5 Complexes include Support Facilities.

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CHINA, COMMUNIST COMMO/ELEC/RADAR FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1D

25X1D

PENG-LAI PROB AW RDR FAC

25X1A **37-49-**

N 120-55-BE

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

8 NM EAST OF PENG-LAI ON THE YELLOW SEA COASTLINE. THE NEWLY IDENTIFIED FACILITY CONTAINS TWO OCCUPIED RADAR POSITIONS, TWO CONTROL BUILDINGS, AND ONE SUPPORT BUILDING. A SMALL SUPPORT AREA 300 METERS (984 FEET) SW OF THE RADAR

25X1D POSITIONS CONTAINS FOUR PROBABLE BARRACKS AND FOUR

STORAGE/SUPPORT BUILDINGS. THE RADARS WERE NOT PRESENT IN

25X1D

TGT DIAM: 400 M (1,312 FT). ELEV: 30 M (100 FT).

25X1D ELECTRONIC ORDER OF BATTLE:

1 POSS HEIGHT FINDER

1 RADAR

25X1D

IMAGE DERIVED COORDINATES:

MAP SOURCE REFERENCE:

200-0381-14HL 25X1D

HANDS Fever For Release 2000/0 TALENT-KEYHOLE CONTROL SYSTEM ONLY

TCS-21249/72 - IPIR 4 KH-4 MISSION 1116

CHINA, COMMUNIST AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1D 25X1D CHANG-CHI AIRFIELD 25X1A 43-57- N 087-04-STATUS: OPERATIONAL 25X1D AIR ORDER OF BATTLE: 1 707-TYPE AIRCRAFT 1 COLT (CRASHED OFF SE RUNWAY END) 23 SMALL SWEPT-WING 25X1D 25X1D ^{25X1A}29-<u>06-</u>N 119-10-LUNG-YU AIRFIELD E 25X1D

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION: 4.5 NM NORTH OF LUNG-YU.

THE NEWLY IDENTIFIED FACILITY CONSISTS OF A 2:001- X 32-METER (6,565- X 105-FOOT) NORTH/SOUTH SERVICEABLE CONCRETE RUNWAY, TWO CONCRETE ALERT APRONS, AND TWO AIRCRAFT DISPERSAL AREAS CONTAINING EIGHT REVETMENTS (ONE DISPERSAL AREA AT EACH END WITH FOUR REVETMENTS EACH). NO SERVICE OR SUPPORT FACILITIES ARE DISCERNIBLE. THE TAXIWAYS CONNECTING THE DISPERSAL AREAS WITH THE RUNWAY WERE STILL UNDER CONSTRUCTION.

TGT DIAM: 2,438 M (8,000 FT). ELEV: 275 M (900 FT). 25X1D

AIR ORDER OF BATTLE:

NONE DISCERNIBLE 25X1D

IMAGE DERIVED COORDINATES:

MAP SOURCE REFERENCE: 25X1D 200-0493-20

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TCS-21249/72 - IPIR KH-4 MISSION 1116

CHINA: COMMUNIST AIR BASE FACILITIES

25X1D

25X1A

25X1D

25X1D

MA-HUI-LING AIRFIELD

29-29- N 115-48-

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION: 2.4 NM NORTH OF MA-HUI-LING. THE NEWLY IDENTIFIED FACILITY WAS IN A VERY EARLY STAGE OF CONSTRUCTION WITH ONLY ENGINEERING SCARS AND SURVEY LINES FOR THE NE/SW RUNWAY PRESENT. FOUR CULVERTS WERE UNDER CONSTRUCTION ALIGNED ACROSS THE APPARENT CENTER LINE OF THE RUNWAY.

CONSTRUCTION SUPPORT AREAS ADJACENT TO THE AIRFIELD ARE LOCATED SE (28 BUILDINGS), WEST (37 BUILDINGS), EAST (TEN BUILDINGS), NW (SEVEN BUILDINGS). AND NORTH (17 BUILDINGS).

TGT DIAM: 2,438 M (8,000 FT). ELEV: 91 M (300 FT).

IMAGE DERIVED COORDINATES:

MAP SOURCE REFERENCE: 200-0493-17HL

25X1D

25X1C HAND To Release 2000/0 TALENT-KEYHOLE CONTROL SYSTEM ONLY Tc5-21249/72 - IPIR 4 CHINA: COMMUNIST KH-4 MISSION 1116 GROUND FORCE FACILITIES SIGNIFICANT RESULTS 25X1A 25X1D 25X1D 25X1D WU-LU-MU-CHI ARMOR INSTLN AL 1 43-28-N 087-17-E STATUS: UNKNOWN REMARKS: AT LEAST SIX TUNNEL/REVETMENTS ARE ADJACENT TO THE POL SUPPORT AREA. 25X1D GROUND FORCE ORDER OF BATTLE: NONE DISCERNIBLE 25X1D 25X1D 25X1D 25X1A WU-LU-MU-CHI ARMY BARRACKS AL 7 25X1D STATUS: OCCUPIED 25X1D GROUND FORCE ORDER OF BATTLE: 25X1D 25 VEHICLES (AT LEAST) 25X1D 25X1D 25X1D 25X1A43-41-N 087-46-WU-LU-MU-CHI ARMY BKS AL 20 STATUS: OCCUPIED 25X1D GROUND FORCE ORDER OF BATTLE: 10 POSS FA PIECES (AT 40 VEHICLES/PIECES OF EQUIP LEAST) (AT LEAST) 60 TRUCKS (AT LEAST) 25X1D

25X1C HANDLEved For Release 2000/0 TALENT-KEYHOLE CONTROL SYSTEM ONLY TCS-21249/72 - IPIR CHINA, COMMUNIST KH-4 MISSION 1116 GROUND FORCE FACILITIES 25X1D 25X1D 25X1D ^{25X1A}43-30-WU-LU-MU-CHI ARMY BKS AL 22 N 087-10-STATUS: OCCUPIED 25X1D GROUND FORCE ORDER OF BATTLE: 15 POSS CARGO TRUCKS 25X1D 25X1D 25X1D 25X1A 42-12-N 087-18-WU-SHA-TA-LA ARMY BARRACKS AL 4 25X1D STATUS: OCCUPIED GROUND FORCE ORDER OF BATTLE: 10 VEHICLES (AT LEAST) 25X1D 25X1D

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TCS-21249/72 - IPIR KH-4 MISSION 1116

CHINA, COMMUNIST LOGISTICS

SIGNIFICANT RESULTS

25X1D

25X1D

25X1D

TU-LU-FAN TRANSSHIPMENT DEPOT

25X1A 43-09- N 088-52- E

25X1D

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:

25 PIECES OF ROLLING STOCK (AT LEAST)

25X1D

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Next 1 Page(s) In Document Exempt

25X1C HANDEREVECTFOR Release 2000/0 TALENT-KEYHOLE CONTROL SYSTEM ONLY TCS-21249/72 - IPIR CHINA, COMMUNIST KH-4 MISSION 1116 **INDUSTRY** SIGNIFICANT RESULTS 25X1D 25X1D 25X1D ^{25X1A}29-49-10 N 115-30-4 KUANG-CHI SHIPYARD ΙE STATUS: UNDER CONSTRUCTION PHYSICAL DESCRIPTION: 2.5 NM SW OF KUANG-CHI AND 26.5 NM WNW OF CHIU-CHIANG. THIS IS AN UPDATED DESCRIPTION. THE FACILITY CONSISTS OF ONE 25X1D LARGE CONSTRUCTION HALL, COVERED BUT OPEN-SIDED, WHICH MEASURES AND HAS TWO FOUR-TRACK PROBABLE BUILDINGWAYS. IN ADDITION, THERE ARE 11 PROBABLE SUBASSEMBLY BUILDINGS, FOUR PROBABLE STORAGE BUILDINGS, AND ONE BUILDING UNDER CONSTRUCTION. TO THE SW, ADJACENT TO THE CONSTRUCTION HALL, ARE TWO PROBABLE STORAGE BUILDINGS AND THREE BUILDINGS UNDER CONSTRUCTION. A CANAL, APPROXIMATELY 198 X 54 METERS (651 X 177 FEET), WAS UNDER CONSTRUCTION LINKING THE CHANG-CHIANG (YANGTZE RIVER) WITH THE LAKE IMMEDIATELY WEST OF 25X1D THE CONSTRUCTION HALL. ONE FINGER PIER IS ON THE LAKE. ONE OFFSHORE PIER AND ONE 25X1D FLOATING WHARF ARE ON THE CHANG-CHIANG. THREE CONSTRUCTION SUPPORT AREAS WITH APPROXIMATELY 150 BUILDINGS ARE SCATTERED THROUGHOUT THE AREA. DREDGING WAS CONTINUING IN THE LAKE, AND SOME ACTIVITY WASOBSERVED IN THE CANAL AREA UNDER CONSTRUCTION. CONSTRUCTION MATERIALS WERE THROUGHOUT THE FACILITY 25X1D NAVAL ORDER OF BATTLE: 1 DREDGE 25X1D ASSOCIATED OBJECTS: 4 POSS TRUCKS 25X1D 25X1D 25X1D ^{25X1A}28-37-11N 115-55-NAN-CHANG AIRFRAME PLT 320 25X1D STATUS: OPERATIONAL ASSOCIATED OBJECTS: 25X1D -- AT THE PLANT 94 SINO A 26 CC-6 1 PROB SINO A 10 HANDLE VIA

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25X1C HAND Evel For Release 2000/04 TALENT KEYHOLE CONTROL SYSTEM ONLY TCS-21249/72 - IPIR CHINA, COMMUNIST KH-4 MISSION 1116 INDUSTRY 25X2 25X1D 25X1D 25X1D 25X1A NAN-CHANG NEW AFLD 28-38-N 115-55-E STATUS: OPERATIONAL REMARKS: FOR AIRCRAFT COUNT, SEE NAN-CHANG AIRFRAME PLANT 320 (BE 25X1A 25X1D ^{25X1A}_{25X1D} 25X1D TAI-YUAN RADAR A COMPUTER PLT 785 37-51-N 112-29-25X1D STATUS: OPERATIONAL ASSOCIATED OBJECTS: 25X1D -- IN THE MOTOR POOL 80 VEHICLES/PIECES OF EQUIP (AT LEAST) 25X1D

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UNITED ARAB REPUBLIC INDUSTRY

25X1D

SIGNIFICANT RESULTS

25X1D

25X1D

AL QAHIRAH AIRFRAME PLT HELWAN 36

25X1A **29-49-** IN 031-19-

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

-- AT NEW PLANT

4 SMALL SWEPT/DELTA-WING

(AT LEAST)

3 MEDIUM STRAIGHT-WING

2 MEDIUM HELICOPTERS

25X1D

-- AT OLD PLANT 12 SMALL STRAIGHT-WING (AT LEAST)

25X1D

-- AT AIRFIELD

3 MEDIUM HELICOPTERS

HANDITE ved Por Release 2000/04 TALENT-KEYHOLE CONTROL SYSTEM ONLY

TCS-21249/72 - IPIR KH-4 MISSION 1116

KOREA, NORTH AIR DEFENSE MISSILES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

HUNGNAM SAM SITE A25-2

39-48- N 127-32- E

25X1D

STATUS: UNOCCUPIED

REMARKS:

THIS IS THE FIRST TIME THIS SITE HAS BEEN OBSERVED UNOCCUPIED

SINCE EARLY

25X1D

25X1A

25X1D

25X1D

25X1D

KANGGYE SAM SITE A09-2

40-58-1 N 126-37-E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

ON THE EAST EDGE OF KANGGYE, 19 NM SE OF THE NORTH KOREA/CHINA BORDER AT MANPO-UP.

THE NEWLY IDENTIFIED FACILITY CONSISTS OF FOUR REVETTED LAUNCH POSITIONS, TWO PROBABLE LAUNCH POSITIONS, AND A CENTRAL GUIDANCE AREA CONSISTING OF A PROBABLE VAN BUILDING AND A PROBABLY REVETTED RADAR POSITION. NO SUPPORT FACILITIES WERE OBSERVED.

25X1D

THE SITE WAS NOT PRESENT ON I

TGT DIAM: 305 M (1,000 FT). ELEV: 457 M (1,500 FT). 25X1D

MISSILE ORDER OF BATTLE:

4 POSS SA-2 LAUNCHERS

ELECTRONIC ORDER OF BATTLE:

25X1D 1 POSS FAN SONG

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE: 200-0290-18

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HANDLE VIA

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25V1D

KOREA, NORTH AIR DEFENSE MISSILES

25X1D

25X1D

25X1A

25X1D

25X1D

PYONGYANG SAM SITE CO5-2

39=15

39-15-N 126-06-1E

STATUS: UNKNOWN

REMARKS:

FIVE LAUNCH POSITIONS AND THE CENTRAL GUIDANCE AREA WERE UNOCCUPIED. ONE LAUNCH POSITION CONTAINED AN UNIDENTIFIED OBJECT.

25X1D

MISSILE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

ASSOCIATED OBJECTS:

1 UNID OBJECT

25X1D

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KOREA, NORTH AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

KOKSAN AIRFIELD

38-41- N 126-36- E

STATUS: UNDER CONSTRUCTION

REMARKS:

THE RUNWAY APPEARED TO BE INTERDICTED IN THREE PLACES BY SMALL PILES OF CONSTRUCTION MATERIAL. THE PARALLEL TAXIWAY APPEARED TO BE INTERDICTED IN FOUR PLACES BY PILES OF CONSTRUCTION MATERIAL. CONSTRUCTION WAS CONTINUING ON THE TUNNELS.

25X1D

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1C
HANNIFEVEL Aor Release 2000/0
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KOREA, NORTH GROUND FORCE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

NUCHON-NI MILITARY INSTALLATION

38-08- N 126-13- E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

6.1 NM SW OF NUCHON-NI.

THIS IS THE FIRST TIME THIS INSTALLATION HAS BEEN COVERED BY PHOTOGRAPHY OF THIS SCALE AND RESOLUTION. THE ROAD-SERVED INSTALLATION CONSISTS OF THREE AREAS.

AR

AREA A, AT 38-08- N 126-13- E, CONTAINS SEVEN BARRACKS, ONE ADMINISTRATION BUILDING, ONE MESSHALL, THREE VEHICLE SHEDS, FOUR STORAGE/SUPPORT BUILDINGS, AND NINE WEAPONS POSITIONS.

25X1D

25X1D

AREA B, AT 38-08- N 126-13- E, CONTAINS THREE BARRACKS, FOUR SUPPORT BUILDINGS, AND EIGHT WEAPONS POSITIONS.

25X1D

AREA C, AT 38-08-10 126-12-10 E, CONTAINS THREE BARRACKS, ONE ADMINISTRATION BUILDING, ONE L-SHAPED MESSHALL, FOUR VEHICLE SHEDS, 24 STORAGE/SUPPORT BUILDINGS, AND FOUR TUNNEL ENTRANCES.

GROUND FORCE ORDER OF BATTLE:

25X1D

25X1D

4 PROB TANKS/ASSAULT GUNS 3 POSS TRACKED VEHICLES

7 PROB VEHICLES

25X1D

16

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MONGOLIA
AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

SUMBER SUMA AIRFIELD

46-33- N 108-19- E

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION HAD BEGUN ON 16 ADDITIONAL HANGARETTES, BRINGING THE TOTAL NUMBER OF HANGARETTES AT THIS AIRFIELD TO 14 COMPLETED AND 35 UNDER CONSTRUCTION.

25X1D

AIR ORDER OF BATTLE:

11 POSS FISHBED

1 PROB MEDIUM HELICOPTER

2 COLT

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PAKISTAN GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

25X1D

KARACHI ORD + QM DPO E DRIGH RD

25X1A

24-53-IN 067-07-

STATUS: OCCUPIED

REMARKS:

SMALL SCALE AND POOR RESOLUTION PRECLUDES A DETAILED

INTERPRETATION. HOWEVER, ACTIVITY APPEARS AT APPROXIMATELY THE

LEVEL OF

GROUND FORCE ORDER OF BATTLE:

25X1D

25X1D

75 POSS VEHICLES/PIECES OF EQUIP (APPROXIMATELY)

25X1C
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SIGNIFICANT RESULTS

25X1D

25X1A

25X1D

25X1D

GABIN RADIO BROADCAST STATION

52-22- N 019-48-

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

3 NM SE OF GABIN.

THIS NEWLY IDENTIFIED RADIO BROADCAST STATION CONSISTS OF ONE VERTICAL RADIATOR AND ONE CONTROL BUILDING UNDER CONSTRUCTION, AND TWO SUPPORT BUILDINGS. PROBABLE CONSTRUCTION VANS AND EQUIPMENT WERE IN THE AREA.

25X1D

IMAGE DERIVED COORDINATES:

MAP SOURCE REFERENCE: 200-0169-25

25X1D

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POLAND INDUSTRY

SIGNIFICANT RESULTS

25X1D

25X1D

25X1D

MIELEC AIRFRAME PLANT WSK

25X1A 50-18- N 021-27-

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

-- AT THE PLANT

3 PROB COLT

1 SMALL STRAIGHT-WING

2 PROB COLT FUSELAGE

NUMEROUS SHIPPING CRATES

25X1D

-- AT THE AIRFIELD

35 PROB COLT

12 SMALL STRAIGHT-WING

4 SAILPLANES

25X1D

NUMEROUS SHIPPING CRATES --

AT THE AIRFIELD

25X1C HANDIFEVE For Release 2000/0 TALENT-KEYHOLE CONTROL SYSTEM ONLY TCS-21249/72 - IPIR 4 SOVIET UNION KH-4 MISSION 1116 MISSILE RANGES SIGNIFICANT RESULTS 25X1D 25X1D 25X1D 25X1A KAPUSTIN YAR POSS INSTR FAC 2 48-21- N 049-18-STATUS: UNKNOWN

25X1D

PHYSICAL DESCRIPTION:
A POSSIBLE INSTRUMENTATION FACILITY WAS OBSERVED APPROXIMATELY

25X1D

25X1D

25X1D

7.5 NM WEST OF THE REFERENCED COORDINATES ON THE CORRECT APPROXIMATE LOCATION OF THE FACILITY IS
48-20- N 049-07-E, 23 NM WNW OF KY/TEREKTY TRACKING FACILITY

25X1A 48-20- N 049-07- E, 23 NM WNW OF KY/TEREKTY TRACKING FACILITY

WHEN SEEN ON THE FACILITY CONTAINED ONE POSSIBLE 25X1D STRUCTURE, TWO TRUCKS, TWO SMALL VAN TRAILERS, AND APPROXIMATELY FOUR OTHER VEHICLES/PIECES OF EQUIPMENT. NO EVIDENCE THAT THE LOCATION WAS OCCUPIED WAS OBSERVED ON

HAMPHEOVENAFOR Release 2000/0
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS-21249/72 - IPIR 4 KH-4 MISSION 1116

SOVIET UNION AIR DEFENSE MISSILES

25X1D

SIGNIFICANT RESULTS

25X1D

25X1D

RIGA SAM COMPLEX A20-5

25X1A

56-49-N 024-02-

STATUS: OPERATIONAL

REMARKS:

ALL THREE LAUNCH SITES AND THE THREE SQUARE PAIR RADAR MOUNDS WERE OCCUPIED FOR THE FIRST TIME.

25X1D

MISSILE ORDER OF BATTLE:

18 PROB SA-5 LAUNCHERS

25X1D

ELECTRONIC ORDER OF BATTLE:

3 PROB SQUARE PAIR RADARS

HAND Evel For Release 2000/04 TALENT-KEYHOLE CONTROL SYSTEM ONLY

TCS-21249/72 - IPIR 4 KH-4 MISSION 1116

25X1C

SOVIET UNION AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

NIZHNE-VARTOVSKIY AIRFIELD NW

60-56-N 076-32-

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

2 NM NW OF NIZHNEVARTOVSKIY.

THIS NEWLY IDENTIFIED AIRFIELD CONSISTS OF A 2,012- X 38-M (6,600+ X 125-FT) NE/SW HARD-SURFACED RUNWAY WITH A TURNAROUND AT EACH END. THE RUNWAY IS CONNECTED TO THE TERMINAL PARKING AREA BY A HARD-SURFACED TAXIWAY.

ADDITIONAL FACILITIES CONSIST OF 28 HARD-SURFACED HELICOPTER PADS, A TERMINAL WITH A CONTROL TOWER, AND AN OPERATIONS BUILDING.

THE HOUSING AND SUPPORT AREA CONSISTS OF SIX SINGLE-STORY FAMILY DWELLINGS, TEN SUPPORT BUILDINGS, AND A POL STORAGE AREA CONSISTING OF AT LEAST TEN HORIZONTAL POL TANKS. THE ILS IS JUST OFF OF THE NE END OF THE RUNWAY.

TGT DIAM: 2,012 M (6,600 FT). ELEV: 31 M (100 FT).

25X1D

AIR ORDER OF BATTLE:

2 LIGHT STRAIGHT-WING 6 HELICOPTERS

1 PROB HOUND

25X1D

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:

200-0099-19A

25X1A

25X1D

25X1D

25X1D

NOVOSIBIRSK NORTHEAST AFLD

55-05-N 082-59-

STATUS: OPERATIONAL

25X1D

REMARKS:

CONSTRUCTION ACTIVITY CONTINUED IN THE AREA ADJACENT TO THE SUPPORT AIRCRAFT PARKING APRON, FIRST SEEN IN

23

HANDLE VIA

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25X1C
HANDLE VOLTAGE ROPE Release 2000/0
TALENT-KEYHOLE
CONTROL SYSTEM ONLY
TCS-21249/72 - IPIR 4
KH-4 MISSION 1116

SOVIET UNION AIR BASE FACILITIES

IT NOW CONSISTS OF AN H-SHAPED BUILDING IN THE LATE STAGES OF CONSTRUCTION, TWO BUILDINGS AT MIDSTAGE OF CONSTRUCTION AND AN EXCAVATION FOR ANOTHER BUILDING.

ASSOCIATED OBJECTS:

-- AT THE PLANT

12 FLAGON 4 POSS FLAGON

1 POSS DELTA/SWEPT-WING

1 CAT/CUB

1 CAMP 1 CAB

2 SMALL STRAIGHT-WING

1 CAB FUSELAGE

25X1D

25X1D

25X1D

Ε

25X1A

TALDY KURGAN AIRFIELD NORTHEAST

45-07- N 078-27-

25X1D

STATUS: OPERATIONAL

REMARKS: 25X1D

FORTY-ONE FRESCO AND FIVE MIDGET WERE PRESENT AT THE FIELD WHEN IT WAS LAST OBSERVED ON

25X1D AIR ORDER OF BATTLE:

1 COKE

11 FAGOT/FRESCO/MIDGET

1 CLOD

9 POSS AIRCRAFT

25X1C
HANDIFEVER FOR Release 2000/04
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS-21249/72 - IPIR 4 KH-4 MISSION 1116 SOVIET UNION GROUND FORCE FACILITIES

SIGNIFICANT R

SIGNIFICANT RESULTS

25X1D

25X1D

NAKHODKA MILITARY SUPPLY DEPOT DX 1

^{25X1A}42-50-N 132-55-E

STATUS: OCCUPIED

REMARKS:

NUMEROUS STACKS OF EQUIPMENT WERE IN OPEN STORAGE.

25X1D

Next 3 Page(s) In Document Exempt

25X1C HAMMiniro Weich For Release 2000/ TALENT-KEYHOLE CONTROL SYSTEM ONLY TCS-21249/72 - IPIR SOVIET UNION KH-4 MISSION 1116 INDUSTRY SIGNIFICANT RESULTS 25X1D 25X1A 25X1D 25X1D FAUSTOVO ROCKET ENGINE TEST FACILITY 55-27- N 038-31-STATUS: OPERATIONAL REMARKS: UNIDENTIFIED CONSTRUCTION WAS NEWLY OBSERVED IN A CLEARED AREA IN THE NE CORNER OF THE MISSILE PROPULSION TEST AREA. 25X1D 25X1D 25X1A 25X1D 25X1D KAZAN AIRFRAME PLANT B-387 55-51- N 049-02-STATUS: OPERATIONAL **REMARKS:** TWO NEW HARDSTANDS WERE OBSERVED AT THE AIRFIELD. ROTH HARDSTANDS WERE UNDER CONSTRUCTION AND WERE APPROXIMATELY 50 25X1D PERCENT COMPLETE. ASSOCIATED OBJECTS: -- AT THE PLANT 45 MEDIUM HELICOPTERS 10 FUSELAGE SHIPPING CRATES (AT LEAST) 25X1D 25X1D 25X1D ^{25X1A}50<u>-27-</u> KIYEV AIRFRAME PLT 473 N 030-23-25X1D STATUS: OPERATIONAL ASSOCIATED OBJECTS: -- AT THE PLANT 25X1D 15 COKE -- AT THE AIRFIELD 2 COCK 1 COLT 25X1D 3 COKE 25X1D 30 HANDLE VIA

Approved For Release 2000/04/17 SEIA-RDP78T04562A00430001000 TALENT-KEYHOLE

HANDS For Release 2000/0 TALENT-KEYHOLE CONTROL SYSTEM ONLY TCS-21249/72 - IPIR SOVIET UNION KH-4 MISSION 1116 INDUSTRY 1 SMALL STRAIGHT-WING 25X1D 25X1D 25X1A 25X1D KUYBYSHEV AC COMP A MSL COMP PLT 207 53-18- N 050-17-25X1D STATUS: OPERATIONAL REMARKS: THE FABRICATION BUILDING FIRST OBSERVED UNDER CONSTRUCTION IN 25X1D WAS EXTERNALLY COMPLETE. ACCESS ROADS TO THE BUILDING HAD NOT BEEN COMPLETED, HOWEVER, AND THE BUILDING WAS STILL OUTSIDE THE PLANT WALL, INDICATING IT HAS NOT YET REACHED OPERATIONAL STATUS. 25X1D 25X1D 25X1A 25X1D KUYBYSHEV AIRFRAME PLT LENIN 18 53-13-N 050-18-25X1D STATUS: OPERATIONAL **REMARKS:** FOOTINGS WERE OBSERVED FOR THE FIRST TIME ON THE NORTH SIDE OF THE RUN-UP REVETMENT. TWO WAREHOUSES WERE RAZED IN THIS AREA THE CONSTRUCTION TO MAKE ROOM FOR THE NEW CONSTRUCTION. ACTIVITY IS SITUATED DIRECTLY OPPOSITE THE FINAL ASSEMBLY HALL AND IS APPROXIMATELY AS WIDE AS THE HALL. THE AREA IS 25X1D SEPARATELY SECURED. AN ADMINISTRATION BUILDING, FIRST OBSERVED UNDER CONSTRUCTION IN NEAR THE MAIN PARKING APRON, IS NOW COMPLETE. A WAREHOUSE WEST OF THE FUEL MIX/BLEND BUILDING, FIRST OBSERVED UNDER CONSTRUCTION IN IS NOW COMPLETE. 25X1D 25X1D ASSOCIATED OBJECTS: 2 BEAR 4 CRATE 1 PROB BEAR ASW 2 CLOD 1 CARELESS 6 CAB 2 CAT/CUB 1 COLT 2 COKE 25X1D

HAND bed For Release 2000/04/ TALENT-KEYHOLE CONTROL SYSTEM ONLY TCS-21249/72 - IPIR SOVIET UNION KH-4 MISSION 1116 INDUSTRY 25X1D 25X1D 25X1D 25X1A MOSCOW/LYUBERTSY AFLD 55-41-N 037-51-STATUS: OPERATIONAL 25X1D ASSOCIATED OBJECTS: -- IN MAINTENANCE/REPAIR AREA 1 BADGER 7 CRATE 1 BEAGLE 2 MEDIUM HELICOPTERS 1 CAT/CUB 25X1D -- IN MIL AREA 2 HOOK 8 MEDIUM HELICOPTERS 5 HOOK/HARKE -- IN KAMOV AREA 25X1D 3 SMALL HELICOPTERS -- IN MAINTENANCE/REPAIR AREA 25X1D 1 BADGER 4 CRATE 1 BEAGLE 5 MEDIUM HELICOPTERS 2 CAT/CUB 25X1D -- IN MIL AREA 3 HOOK 6 MEDIUM HELICOPTERS 6 HOOK/HARKE 25X1D -- KAMOV AREA 4 SMALL HELICOPTERS • 25X1D 25X1D 25X1D 25X1A MOSKVA AC ENGINE PLANT 45 55-46- N 037-43-1 25X1D STATUS: OPERATIONAL 25X1D REMARKS: FOOTINGS FOR A LARGE BUILDING WERE OBSERVED IN THE NE PART OF 25X1D THE PLANT WHERE THE TWO LARGE EXCAVATIONS WERE OBSERVED IN

25X1C

25X1C HANDITEVENT For Release 2000/04 TALENT KEYHOLE CONTROL SYSTEM ONLY TCS-21249/72 - IPIR SOVIET UNION KH-4 MISSION 1116 INDUSTRY 25X1D 25X1A 25X1D 25X1D 25X1D MOSKVA AIRFRAME PLANT 30 55-47- N 037-32-E STATUS: OPERATIONAL 25X1D ASSOCIATED OBJECTS: -- AT THE PLANT SMALL SWEPT-WING 1 COOT 25X1D -- AT THE AIRFIELD 1 CRATE 4 MEDIUM HELICOPTERS 2 SMALL STRAIGHT-WING 25X1D 25X1A 25X1D 25X1D PETROKREPOST EXPL + SLD MTR P MOROZOV 59-59- N 030-59-E 25X1D STATUS: OPERATIONAL 25X1D REMARKS: TWO BUILDINGS IN THE ROCKET MOTOR PRODUCTION AREA, FIRST OBSERVED UNDER CONSTRUCTION IN AND IDENTIFIED AS POSSIBLE INERT OPERATIONS BUILDINGS ARE NOW COMPLETE. HOWEVER, THE FACT THAT BOTH BUILDINGS HAVE BEEN SURROUNDED BY HIGH EARTHEN BARRICADES INDICATES THEY WILL PROBABLY BE USED 25X1D FOR SOME FORM OF PROPELLANT PROCESSING. THE ABSENCE OF A COMPLETED ACCESS ROAD TO BOTH BUILDINGS INDICATES NEITHER BUILDING IS OPERATIONAL. A RECENTLY COMPLETED BUILDING IN THE PROBABLE DOUBLE-BASE PRODUCTION AREA, PREVIOUSLY REPORTED AS A ROLLING AND EXTRUSION BUILDING IN NOW APPEARS TO BE A PROBABLE DOUBLE-BASE PROCESSING BUILDING. TWO NEWLY COMPLETED BUILDINGS IN THE SAME AREA WILL PROBABLY SERVE A SIMILAR FUNCTION. IN THE NITROGLYCERINE PRODUCTION AREA, THE MODIFICATION OF A UNIDENTIFIED SMALL CONVEYOR-SERVED BARRICADED BUILDING FIRST OBSERVED IN WAS NEARING COMPLETION. 25X1D 25X1D

HAND DECLIFOR Release 2000/04/ TALENT-KEYHOLE CONTROL SYSTEM ONLY

TCS-21249/72 - IPIR 4 KH-4 MISSION 1116

SOVIET UNION INDUSTRY

25X1D

25X1D

25X1A

25X1D

RAMENSKOYE CENT AEROHYDRODYNAMIC INST

55-35- N 038-06- E

STATUS: OPERATIONAL

REMARKS:

SPHERICAL TANKS, NUMBERS 24, 25, 26, 27, AND 28, HAVE BEEN COMPLETED IN THE LARGE TANK FARM UNDER CONSTRUCTION IN THE NORTHERN AREA OF THE INSTITUTE. THE CIRCULAR SUPPORTS FOR TANKS, NUMBERS 29, 30, AND 31 ARE COMPLETE. THE LARGE TANK ON THE EAST SIDE OF THE LARGE BUILDING LOCATED DUE EAST OF THE NEW TANK FARM, OBSERVED UNDER CONSTRUCTION IN APPEARED COMPLETE.

25X1D

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TCS-21249/72 - IPIR KH-4 MISSION 1116

SOUTH-WEST AFRICA AIR BASE FACILITIES

25X1D

1

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

SPES BONA AIRFIELD

21-50-S 015~54~

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

25X1D

7 NM NNE OF KARIBIB. 25X1D

THIS NEWLY IDENTIFIED AIRFIELD CONSISTS OF A N/S SERVICEABLE BLACKTOP RUNWAY, WITH A

25X1D

PARALLEL N/S SERVICEABLE BLACKTOP TAXIWAY CONNECTED TO IT BY TWO END-CONNECTING AND TWO CROSSOVER LINKS. THERE IS ALSO A E/W SERVICEABLE

GRADED-EARTH/GRAVEL RUNWAY. THE RP IS THE CENTER OF THE N/S RUNWAY. A HARDENED PARKING AREA IS LOCATED AT THE CENTER OF THE N/S RUNWAY AND A TURNAROUND AREA IS LOCATED AT THE EAST END OF THE E/W RUNWAY. THE OPERATIONS/TERMINAL BUILDING IS LOCATED AT THE PARKING AREA AT THE CENTER OF THE N/S RUNWAY. GROUND SCARRING MAY INDICATE POSSIBLE POSITIONING OF HARDSTANDS OR SUPPORT FACILITIES. THE AIRFIELD IS SECURED BY A SINGLE IRREGULAR FENCE.

25X1D

AIR ORDER OF BATTLE:

NONE PRESENT

25X1D

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:

ONC P-3

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WWIPIR CODES

| Status (STA:) | ОВ | Interpretability |
|------------------------------------|--|---|
| NEG - Negated | MIS: Missiles | E - Excellent |
| UCO - Under Const | AOB: Air | G - Good |
| COM - Complete | NVL: Naval | F - Fair |
| UKN - Unknown | GFW: Grd Force | P - Poor |
| NOP - Not Oprtl | ELC: Electronic AAA: Antiair | Conditions |
| OPR - Operat'l OCC - Occupied | OBJ: Assoc Objs | CL - Clear |
| UNP - Unoccupied | <u>Mode</u> | SC - Scattered Cloud |
| ABN - Abandoned | W - Stereo/Blk & | HC - Heavy Cloud |
| RMV - Removed | White | HA - Haze |
| TRN - Transitory | P - Part Stereo/ Blk & White | SN - Snow |
| DMG - Damaged DST - Destroyed | B - Mono Blk & White | SH - Shadow OL - Obliquity |
| General IMR: Image Ref (Photo Ref) | S - Stereo/Color A - Part Stereo/ Color C - Mono Color | SD - Semi- darkness HD - Heavy Dust/ Smoke |
| DES: Description | D - Camouflage | |
| RMK: Remarks | Detection | Coverage |
| IDC: Image Derived Coord. | F - Infrared | C - Complete |
| MPR: Map Ref | R - Radar | P - Partial |
| DFC: Defenses/ Security | N - Nonstandard | O - Oblique V - Vertical |

TOP SECRET

Approved For Releas

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